Join us on the second Thursday of every month for a series of "brown bag" seminars sponsored by the National Renewable Energy Laboratory and the U.S. Department of Energy. Each seminar is held at NREL's Washington offices with a videoconference link to Golden, Colorado. Topics focus on new and innovative renewable energy and energy analysis strategies, models, and technologies.

Energy Analysis Seminar Series

A "brown bag" analytical seminar series

Evaluating Distributed Generation Using the Electricity Asset Evaluation Model

Susan McCusker and Jack Siegel
Energy Resources International, Inc.

Thursday, December 13
10 - 11 a.m.

Two representatives of Energy Resources International, Inc., (ERI) will present a briefing on their recently completed study regarding distributed generation. This work explores the ability of distributed generation (DG) options to provide cost-effective alternatives to central station generation, transmission, and distribution upgrades for alleviating transmission and distribution congestion. To demonstrate this ability for constrained sites in one Florida system and one Mississippi system, ERI's Electricity Asset Evaluation Model (EAEM) was used to assess the costs and benefits of installing DG options. It also looked at the ability to reduce load in areas with transmission congestion versus upgrading the transmission and distribution (T&D) systems. The EAEM consists of three models that exchange investment, power demand, and avoided cost information to determine which assets to add (and where and when to add them) to minimize overall expansion costs. At the briefing, ERI will discuss the EAEM and the results of their study in detail.

Susan McCusker is an analyst with the Technology and Markets Group at ERI. She received her Ph.D. in systems analysis and economics for public decision-making from Johns Hopkins University in 2000 and has a bachelor's degree in mechanical engineering from Carnegie Mellon University.

Jack Siegel is president of the Technology and Markets Group at ERI, a consulting firm that conducts policy, technology, economic, and environmental analyses for industry, governments, and institutions in the United States and other countries. He is a chemical engineer and a member of the board on Energy and Environmental Systems of the National Academy of Engineering.

Golden Videoconference
1829 Denver West Drive, Golden, Colorado
Building 27, Conference Room 230 A/B
Please contact Trinity Maestas at NREL at 303-384-7439.

For more information on NREL, please visit the NREL Web site at *http://www.nrel.gov/*